

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/586,499
Source: JFWP
Date Processed by STIC: 07/27/2006

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 07/27/2006

PATENT APPLICATION: US/10/586,499

TIME: 12:08:02

Input Set : A:\2006_1150A - Sequence Listing.txt

Output Set: N:\CRF4\07272006\J586499.raw

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3 <110> APPLICANT: KURUME UNIVERSITY
5 <120> TITLE OF INVENTION: Epidermal growth factor receptor (EGFR)-derived peptides
7 <130> FILE REFERENCE: 665024
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/586,499
C--> 9 <141> CURRENT FILING DATE: 2006-07-20
9 <150> PRIOR APPLICATION NUMBER: JP 2004-015676
10 <151> PRIOR FILING DATE: 2004-01-23
12 <160> NUMBER OF SEQ ID NOS: 6
14 <170> SOFTWARE: PatentIn Ver. 2.1
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 10
19 <212> TYPE: PRT
20 <213> ORGANISM: Artificial Sequence
22 <220> FEATURE:
23 <223> OTHER INFORMATION: EGFR-derived peptide at position 800-809.
25 <400> SEQUENCE: 1
26 Asp Tyr Val Arg Glu His Lys Asp Asn Ile
27 1 5 10
30 <210> SEQ ID NO: 2
31 <211> LENGTH: 9
32 <212> TYPE: PRT
33 <213> ORGANISM: Artificial Sequence
35 <220> FEATURE:
36 <223> OTHER INFORMATION: EGFR-derived peptide at position 124-132.
38 <400> SEQUENCE: 2
39 Asn Tyr Asp Ala Asn Lys Thr Gly Leu
40 1 5 9
43 <210> SEQ ID NO: 3
44 <211> LENGTH: 9
45 <212> TYPE: PRT
46 <213> ORGANISM: Artificial Sequence
48 <220> FEATURE:
49 <223> OTHER INFORMATION: EGFR-derived peptide at position 54-62.
51 <400> SEQUENCE: 3
52 Met Phe Asn Asn Cys Glu Val Val Leu
53 1 5 9
56 <210> SEQ ID NO: 4
57 <211> LENGTH: 10
58 <212> TYPE: PRT
59 <213> ORGANISM: Artificial Sequence
61 <220> FEATURE:
62 <223> OTHER INFORMATION: EGFR-derived peptide at position 479-488.
64 <400> SEQUENCE: 4

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65 Lys Leu Phe Gly Thr Ser Gly Gln Lys Thr
66   1           5           10
69 <210> SEQ ID NO: 5
70 <211> LENGTH: 10
71 <212> TYPE: PRT
72 <213> ORGANISM: Artificial Sequence
74 <220> FEATURE:
75 <223> OTHER INFORMATION: EGFR-derived peptide at position 1138-1147.
78 <400> SEQUENCE: 5
79 Tyr Leu Asn Thr Val Gln Pro Thr Cys Val
80   1           5           10
83 <210> SEQ ID NO: 6
84 <211> LENGTH: 1210
85 <212> TYPE: PRT
86 <213> ORGANISM: Homo sapiens
88 <400> SEQUENCE: 6
89 Met Arg Pro Ser Gly Thr Ala Gly Ala Ala Leu Leu Ala Leu Leu Ala
90   1           5           10           15
92 Ala Leu Cys Pro Ala Ser Arg Ala Leu Glu Glu Lys Lys Val Cys Gln
93           20           25           30
95 Gly Thr Ser Asn Lys Leu Thr Gln Leu Gly Thr Phe Glu Asp His Phe
96           35           40           45
98 Leu Ser Leu Gln Arg Met Phe Asn Asn Cys Glu Val Val Leu Gly Asn
99           50           55           60
101 Leu Glu Ile Thr Tyr Val Gln Arg Asn Tyr Asp Leu Ser Phe Leu Lys
102  65           70           75           80
104 Thr Ile Gln Glu Val Ala Gly Tyr Val Leu Ile Ala Leu Asn Thr Val
105           85           90           95
107 Glu Arg Ile Pro Leu Glu Asn Leu Gln Ile Ile Arg Gly Asn Met Tyr
108           100          105          110
110 Tyr Glu Asn Ser Tyr Ala Leu Ala Val Leu Ser Asn Tyr Asp Ala Asn
111           115          120          125
113 Lys Thr Gly Leu Lys Glu Leu Pro Met Arg Asn Leu Gln Glu Ile Leu
114           130          135          140
116 His Gly Ala Val Arg Phe Ser Asn Asn Pro Ala Leu Cys Asn Val Glu
117 145           150          155          160
119 Ser Ile Gln Trp Arg Asp Ile Val Ser Ser Asp Phe Leu Ser Asn Met
120           165          170          175
122 Ser Met Asp Phe Gln Asn His Leu Gly Ser Cys Gln Lys Cys Asp Pro
123           180          185          190
125 Ser Cys Pro Asn Gly Ser Cys Trp Gly Ala Gly Glu Glu Asn Cys Gln
126           195          200          205
128 Lys Leu Thr Lys Ile Ile Cys Ala Gln Gln Cys Ser Gly Arg Cys Arg
129           210          215          220
131 Gly Lys Ser Pro Ser Asp Cys Cys His Asn Gln Cys Ala Ala Gly Cys
132 225           230          235          240
134 Thr Gly Pro Arg Glu Ser Asp Cys Leu Val Cys Arg Lys Phe Arg Asp
135           245          250          255
137 Glu Ala Thr Cys Lys Asp Thr Cys Pro Pro Leu Met Leu Tyr Asn Pro

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138          260          265          270
140 Thr Thr Tyr Gln Met Asp Val Asn Pro Glu Gly Lys Tyr Ser Phe Gly
141          275          280          285
143 Ala Thr Cys Val Lys Lys Cys Pro Arg Asn Tyr Val Val Thr Asp His
144          290          295          300
146 Gly Ser Cys Val Arg Ala Cys Gly Ala Asp Ser Tyr Glu Met Glu Glu
147 305          310          315          320
149 Asp Gly Val Arg Lys Cys Lys Lys Cys Glu Gly Pro Cys Arg Lys Val
150          325          330          335
152 Cys Asn Gly Ile Gly Ile Gly Glu Phe Lys Asp Ser Leu Ser Ile Asn
153          340          345          350
155 Ala Thr Asn Ile Lys His Phe Lys Asn Cys Thr Ser Ile Ser Gly Asp
156          355          360          365
158 Leu His Ile Leu Pro Val Ala Phe Arg Gly Asp Ser Phe Thr His Thr
159          370          375          380
161 Pro Pro Leu Asp Pro Gln Glu Leu Asp Ile Leu Lys Thr Val Lys Glu
162 385          390          395          400
164 Ile Thr Gly Phe Leu Leu Ile Gln Ala Trp Pro Glu Asn Arg Thr Asp
165          405          410          415
167 Leu His Ala Phe Glu Asn Leu Glu Ile Ile Arg Gly Arg Thr Lys Gln
168          420          425          430
170 His Gly Gln Phe Ser Leu Ala Val Val Ser Leu Asn Ile Thr Ser Leu
171          435          440          445
173 Gly Leu Arg Ser Leu Lys Glu Ile Ser Asp Gly Asp Val Ile Ile Ser
174          450          455          460
176 Gly Asn Lys Asn Leu Cys Tyr Ala Asn Thr Ile Asn Trp Lys Lys Leu
177 465          470          475          480
179 Phe Gly Thr Ser Gly Gln Lys Thr Lys Ile Ile Ser Asn Arg Gly Glu
180          485          490          495
182 Asn Ser Cys Lys Ala Thr Gly Gln Val Cys His Ala Leu Cys Ser Pro
183          500          505          510
185 Glu Gly Cys Trp Gly Pro Glu Pro Arg Asp Cys Val Ser Cys Arg Asn
186          515          520          525
188 Val Ser Arg Gly Arg Glu Cys Val Asp Lys Cys Lys Leu Leu Glu Gly
189          530          535          540
191 Glu Pro Arg Glu Phe Val Glu Asn Ser Glu Cys Ile Gln Cys His Pro
192 545          550          555          560
194 Glu Cys Leu Pro Gln Ala Met Asn Ile Thr Cys Thr Gly Arg Gly Pro
195          565          570          575
197 Asp Asn Cys Ile Gln Cys Ala His Tyr Ile Asp Gly Pro His Cys Val
198          580          585          590
200 Lys Thr Cys Pro Ala Gly Val Met Gly Glu Asn Asn Thr Leu Val Trp
201          595          600          605
203 Lys Tyr Ala Asp Ala Gly His Val Cys His Leu Cys His Pro Asn Cys
204          610          615          620
206 Thr Tyr Gly Cys Thr Gly Pro Gly Leu Glu Gly Cys Pro Thr Asn Gly
207 625          630          635          640
209 Pro Lys Ile Pro Ser Ile Ala Thr Gly Met Val Gly Ala Leu Leu Leu
210          645          650          655

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212 Leu Leu Val Val Ala Leu Gly Ile Gly Leu Phe Met Arg Arg Arg His
213      660      665      670
215 Ile Val Arg Lys Arg Thr Leu Arg Arg Leu Leu Gln Glu Arg Glu Leu
216      675      680      685
218 Val Glu Pro Leu Thr Pro Ser Gly Glu Ala Pro Asn Gln Ala Leu Leu
219      690      695      700
221 Arg Ile Leu Lys Glu Thr Glu Phe Lys Lys Ile Lys Val Leu Gly Ser
222 705      710      715      720
224 Gly Ala Phe Gly Thr Val Tyr Lys Gly Leu Trp Ile Pro Glu Gly Glu
225      725      730      735
227 Lys Val Lys Ile Pro Val Ala Ile Lys Glu Leu Arg Glu Ala Thr Ser
228      740      745      750
230 Pro Lys Ala Asn Lys Glu Ile Leu Asp Glu Ala Tyr Val Met Ala Ser
231      755      760      765
233 Val Asp Asn Pro His Val Cys Arg Leu Leu Gly Ile Cys Leu Thr Ser
234      770      775      780
236 Thr Val Gln Leu Ile Thr Gln Leu Met Pro Phe Gly Cys Leu Leu Asp
237 785      790      795      800
239 Tyr Val Arg Glu His Lys Asp Asn Ile Gly Ser Gln Tyr Leu Leu Asn
240      805      810      815
242 Trp Cys Val Gln Ile Ala Lys Gly Met Asn Tyr Leu Glu Asp Arg Arg
243      820      825      830
245 Leu Val His Arg Asp Leu Ala Ala Arg Asn Val Leu Val Lys Thr Pro
246      835      840      845
248 Gln His Val Lys Ile Thr Asp Phe Gly Leu Ala Lys Leu Leu Gly Ala
249      850      855      860
251 Glu Glu Lys Glu Tyr His Ala Glu Gly Gly Lys Val Pro Ile Lys Trp
252 865      870      875      880
254 Met Ala Leu Glu Ser Ile Leu His Arg Ile Tyr Thr His Gln Ser Asp
255      885      890      895
257 Val Trp Ser Tyr Gly Val Thr Val Trp Glu Leu Met Thr Phe Gly Ser
258      900      905      910
260 Lys Pro Tyr Asp Gly Ile Pro Ala Ser Glu Ile Ser Ser Ile Leu Glu
261      915      920      925
263 Lys Gly Glu Arg Leu Pro Gln Pro Pro Ile Cys Thr Ile Asp Val Tyr
264      930      935      940
266 Met Ile Met Val Lys Cys Trp Met Ile Asp Ala Asp Ser Arg Pro Lys
267 945      950      955      960
269 Phe Arg Glu Leu Ile Ile Glu Phe Ser Lys Met Ala Arg Asp Pro Gln
270      965      970      975
272 Arg Tyr Leu Val Ile Gln Gly Asp Glu Arg Met His Leu Pro Ser Pro
273      980      985      990
275 Thr Asp Ser Asn Phe Tyr Arg Ala Leu Met Asp Glu Glu Asp Met Asp
276      995      1000      1005
278 Asp Val Val Asp Ala Asp Glu Tyr Leu Ile Pro Gln Gln Gly Phe Phe
279      1010      1015      1020
281 Ser Ser Pro Ser Thr Ser Arg Thr Pro Leu Leu Ser Ser Leu Ser Ala
282 1025      1030      1035      1040
284 Thr Ser Asn Asn Ser Thr Val Ala Cys Ile Asp Arg Asn Gly Leu Gln

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285          1045          1050          1055
287 Ser Cys Pro Ile Lys Glu Asp Ser Phe Leu Gln Arg Tyr Ser Ser Asp
288          1060          1065          1070
290 Pro Thr Gly Ala Leu Thr Glu Asp Ser Ile Asp Asp Thr Phe Leu Pro
291          1075          1080          1085
293 Val Pro Glu Tyr Ile Asn Gln Ser Val Pro Lys Arg Pro Ala Gly Ser
294          1090          1095          1100
296 Val Gln Asn Pro Val Tyr His Asn Gln Pro Leu Asn Pro Ala Pro Ser
297 1105          1110          1115          1120
299 Arg Asp Pro His Tyr Gln Asp Pro His Ser Thr Ala Val Gly Asn Pro
300          1125          1130          1135
302 Glu Tyr Leu Asn Thr Val Gln Pro Thr Cys Val Asn Ser Thr Phe Asp
303          1140          1145          1150
305 Ser Pro Ala His Trp Ala Gln Lys Gly Ser His Gln Ile Ser Leu Asp
306          1155          1160          1165
308 Asn Pro Asp Tyr Gln Gln Asp Phe Phe Pro Lys Glu Ala Lys Pro Asn
309          1170          1175          1180
311 Gly Ile Phe Lys Gly Ser Thr Ala Glu Asn Ala Glu Tyr Leu Arg Val
312 1185          1190          1195          1200
314 Ala Pro Gln Ser Ser Glu Phe Ile Gly Ala
315          1205          1210

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/586,499

DATE: 07/27/2006

TIME: 12:08:03

Input Set : A:\2006_1150A - Sequence Listing.txt

Output Set: N:\CRF4\07272006\J586499.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date